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APPLICATION NO		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/708,558		03/11/2004	Neil Clarke	144441	2557	
23413	7590	05/02/2006		EXAMINER		
CANTOR 55 GRIFFI			DOERRLER, WILLIAM CHARLES			
BLOOMF				ART UNIT PAPER NUMBER		
	,			3744		
				DATE MAILED: 05/02/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
Office Action Commence	10/708,558	CLARKE, NEIL	CLARKE, NEIL	
Office Action Summary	Examiner	Art Unit		
	William C. Doerrler	3744		
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	ith the correspondence ad	dress	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ED.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period.  - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 136(a). In no event, however, may a I will apply and will expire SIX (6) MOI te, cause the application to become A	CATION. reply be timely filed  NTHS from the mailing date of this constant the mailing date of the constant that the con	•	
Status				
1) Responsive to communication(s) filed on				
	—· s action is non-final.			
3) Since this application is in condition for allowa		ters prosecution as to the	merits is	
closed in accordance with the practice under		·		
Disposition of Claims				
4)⊠ Claim(s) <u>1-25</u> is/are pending in the application	٦			
4a) Of the above claim(s) is/are withdra				
5) Claim(s) <u>16-24</u> is/are allowed.	awii iioiii consideration.			
6)⊠ Claim(s) <u>1-15 and 25</u> is/are rejected.				
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	or alaction requirement			
o) Claim(s) are subject to restriction and/t	or election requirement.			
Application Papers				
9) The specification is objected to by the Examina	er.	,		
10)⊠ The drawing(s) filed on 11 March 2004 is/are:	a)⊠ accepted or b)☐ ob	jected to by the Examiner	•	
Applicant may not request that any objection to the	e drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) including the correct	ction is required if the drawing	(s) is objected to. See 37 CF	FR 1.121(d).	
11) The oath or declaration is objected to by the E	xaminer. Note the attache	d Office Action or form PT	O-152.	
Priority under 35 U.S.C. § 119				
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C. §	§ 119(a)-(d) or (f).		
1. Certified copies of the priority documen	ts have been received.			
2. Certified copies of the priority documen	ts have been received in A	application No		
3. Copies of the certified copies of the price	ority documents have been	received in this National	Stage	
application from the International Burea	• • • • • • • • • • • • • • • • • • • •			
* See the attached detailed Office action for a list	t of the certified copies not	received.		
Attachment(s)				
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	•	
2)	· · · · · · · · · · · · · · · · · · ·	s)/Mail Date nformal Patent Application (PTC	) <u>.</u> 152)	
Paper No(s)/Mail Date <u>3-11-2004</u> .	6)  Other:	• • • • • • • • • • • • • • • • • • • •	, 194)	

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-15 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Turner in view of Paul.

Turner discloses applicant's basic inventive concept, a cryostat for an MRI device with a burst disk to ensure safety, substantially as claimed with the exception of using parallel passages with burst disks to enable switching between disks. Paul shows this feature to be old in the overpressure safety art. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention from the teaching of Paul to modify the cryostat with burst disk overpressurization control by adding a second passage with a burst disk to enable the switching of passages to improve the safety of the device and to enable one disk to be accessed while the other provides protection. In regard to claims 5-7 and 13, the type of valves used is seen as a matter of obvious design choice since all the claimed valves are known in the art and no criticality has been shown for using one type of valve over another. In regard to claims 8,9,14 and 15, the pressure at which the burst disks burst is seen as a matter of obvious design choice depending on the desired pressure of the system. In regard to claim 10, it is acknowledged that Paul does not explicitly show valves on the outlet sides of the burst disks. These are

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however considered obvious to an ordinary practitioner in the art since without them the high pressure gas will burst the second burst disk from the other direction (the high pressure gas will break one disk and then enter the exhaust path of the other).

## Allowable Subject Matter

Claims 16-24 are allowed.

#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Woods shows a cryogenically cooled magnet with a burst valve. Barton and Gavrila show pressure control systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Doerrler whose telephone number is (571) 272-4807. The examiner can normally be reached on Monday-Friday 6:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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William C Doerrler Primary Examiner Art Unit 3744

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